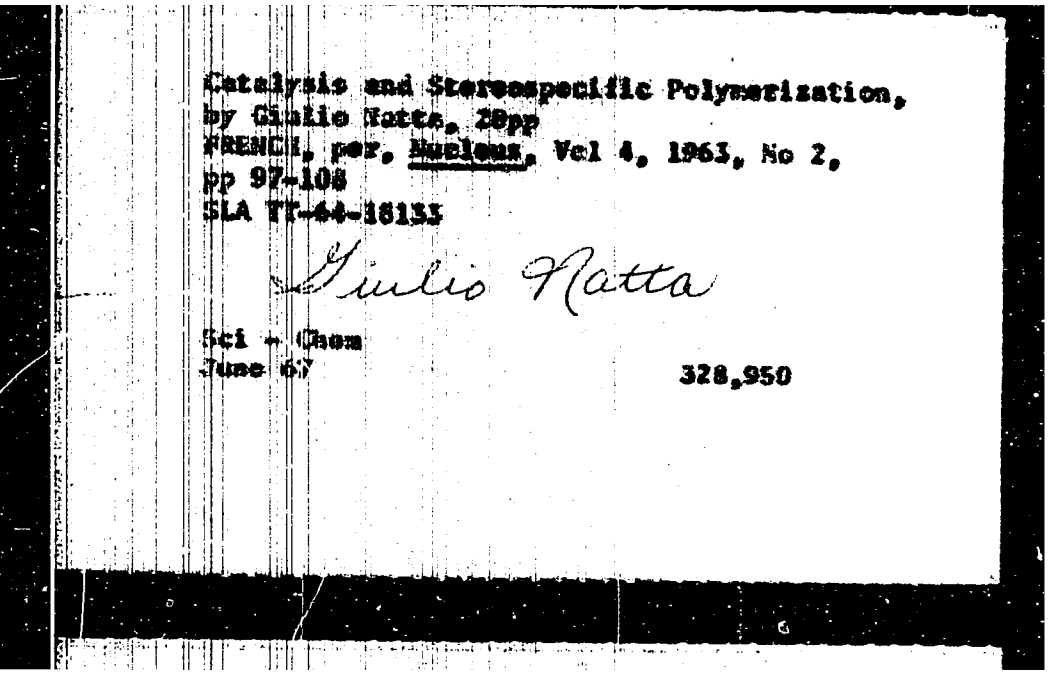
APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3



Catalysis and Stereospecific Polymerization,
by Giulio Natta, 28pp
FRENCH, per, Nucleus, Vol 4, 1963, No 2,
pp 97-108
SLA TT-64-18133

Giulio Natta

Sci - Chem
June 67

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

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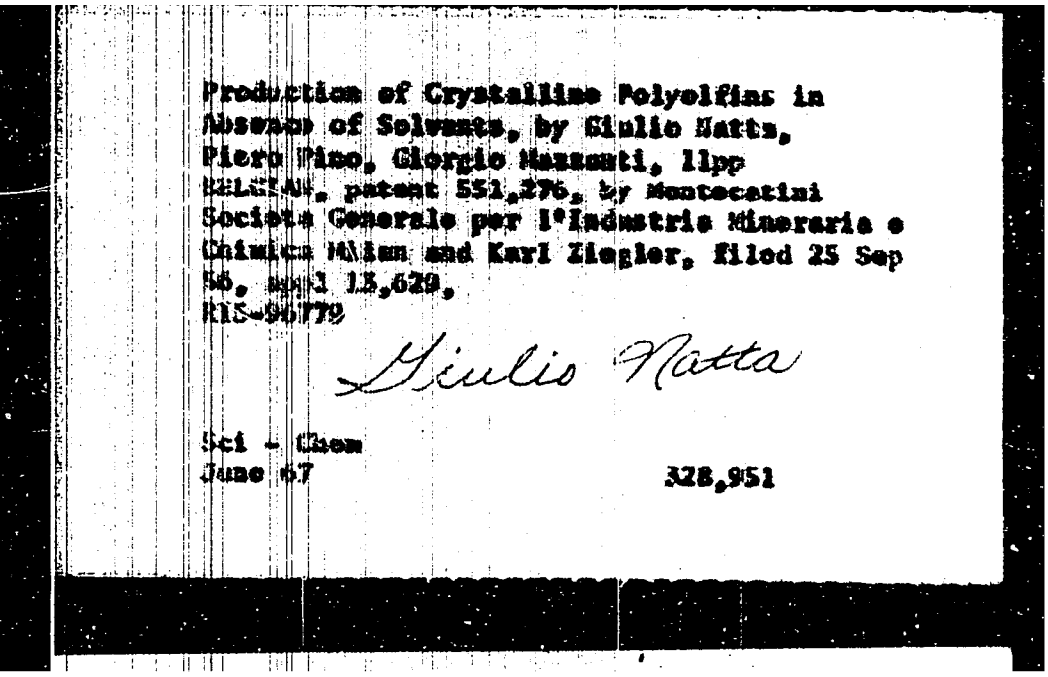

Production of Crystalline Polyolfins in Absence of Solvents, by Giulio Natta, Piero Pino, Giorgio Mazzanti, Ilpp
[illegible], patent 551,276, by Montecatini Societa Generale per l'Industria Mineraria e Chimica Milan and Karl Ziegler, filed 25 Sep 56, appl 15,629,
RIS-96779

Giulio Natta

Sci - Chem
June 67

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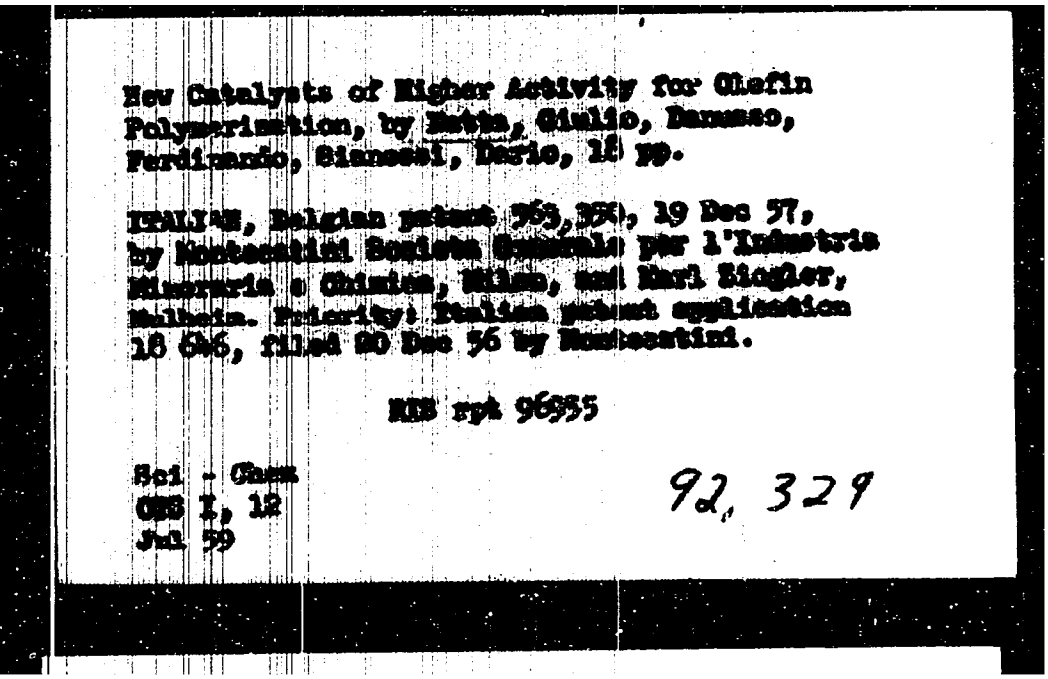
APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3



New Catalysts of Higher Activity for Olefin Polymerization, by Natta, Giulio, Danusso, Ferdinando, Giannesi, Dario, 11 pp.

ITALIAN, Belgian patent 563,354, 19 Dec 57, by Montecatini Societa Generale per l'Industria Mineraria e Chimica, Milan, and Karl Ziegler, Malheim. Priority: Italian patent application 18 Sep 56, filed 20 Dec 56 by Montecatini.

MIS rpk 96955

92, 329

Sci - Chem
CSS I, 12
Jul 59

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Mesomorphic Smectic Modification of Isotactic Polypropylene, by Giulio Natta, Mario Peraldo, Paolo Corradini, 7 p.

ITALIAN, per, Acc Lincei Rend, 1959, Vol XXVI, No 1, pp 14-17

SLA 59-17937

Sci
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Vol 2, No 12

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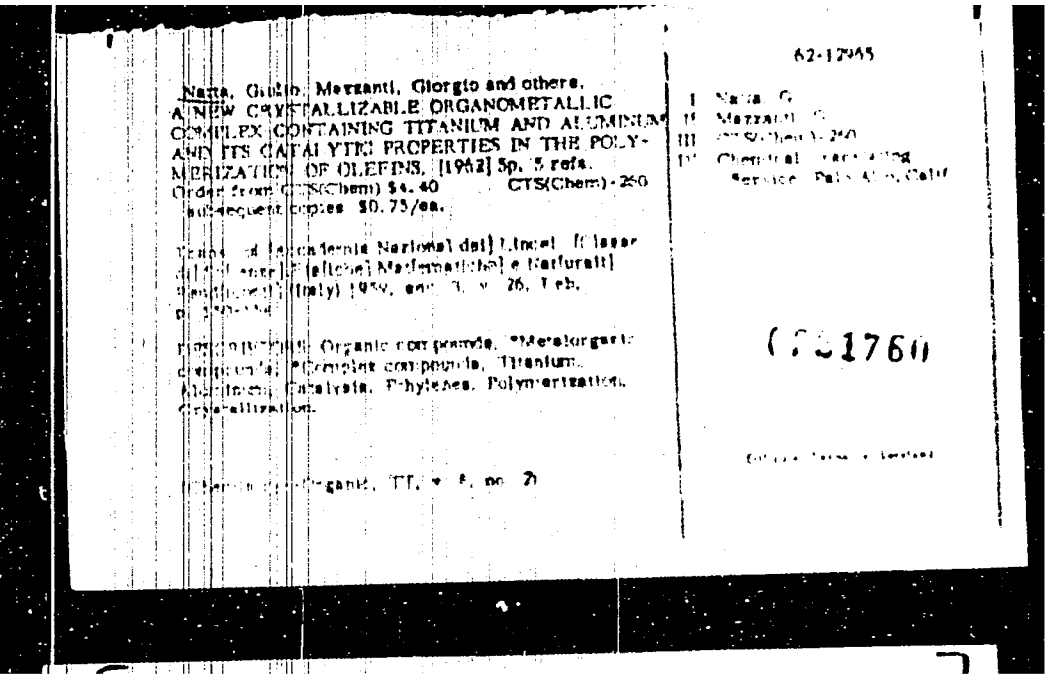
APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3



Natta, Giulio, Mazzanti, Giorgio and others.
A NEW CRYSTALLIZABLE ORGANOMETALLIC COMPLEX CONTAINING TITANIUM AND ALUMINUM AND ITS CATALYTIC PROPERTIES IN THE POLYMERIZATION OF OLEFINS. [1962] 5p. 5 refs.
Order from CTS(Chem) $4.40 CTS(Chem)-260
subsequent copies $0.75/ea.

[illegible] Accademia Nazionale dei [illegible] Lincei. [Classe di [illegible] Matematiche e Naturali] Rendiconti. (Italy) 1959, ser. 8, v. 26, Feb.

[illegible] Organic compounds, *Metalorganic [illegible], *Complex compounds, Titanium, Aluminum, Catalysts, Polyethenes, Polymerization, Crystallization.

[illegible]-ganic, TT, v. 5, no. 2)

62-17965

I Natta, G.
II Mazzanti, G.
III [illegible]-260
IV Chemical [illegible]
Service, Palo Alto, Calif.

(62)1760

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

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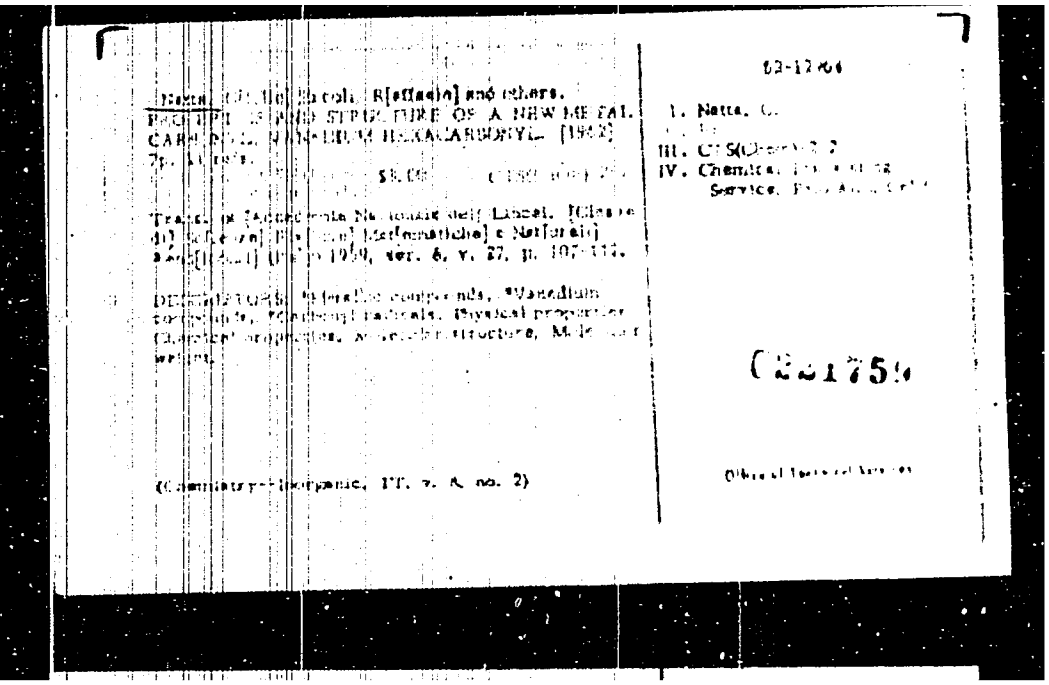

Natta, G. [illegible] R[ossini] and others.
[illegible] STRUCTURE OF A NEW METAL-CARB[illegible]-DRUM HEXACARBONYL. [1962]
2p. [illegible]

Tra[illegible] [illegible] Nazionale dei Lincei. [Classe di] Scienze [Fisiche] [Matematiche] e Naturali] [illegible] 1960, ser. 8, v. 27, p. 107-111.

DE[illegible]: [illegible] compounds, *Vanadium carbonyls, Polynuclear radicals, Physical properties, Chemical properties, Molecular structure, Molecular weight.

(Chemistry [Inorganic], IT, v. 4, no. 2)

62-12766

1. Natta, G.
[illegible]
III. CFS([illegible])
IV. Chemical [illegible] Service, [illegible]

[illegible]

Official Translation

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Natta, G., Pino, P., and Farina, M.
KINETICS OF POLYMERIZATION OF ETHYLENE CATALYZED BY ALKYL ALUMINUM COMPOUNDS (Cinetica della Polimerizzazione dell'Etilene Catalizzata da Composti Alluminio Alcnilici). [1961] 12p. (3 figs. omitted) 4 refs.
Order from SLA $1.60 61-20959

Trans. from mono. Symposium on Macromolecular Chemistry [held at] Milan, 27 Sep 54.

DESCRIPTORS: *Ethylenes, *Polymerization, *Reaction kinetics, *Catalysts, *Alkyl radicals, *Aluminum compounds, Molecular weight.

(Chemistry--Organic, TT, v. 7, no. 7)

61-20959

I. Natta, G.
II. Pino, P.
III. Farina, M.

ATS 50 -[illegible]

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Natta, G., Pasquon, I., and Giachetti, E.
KINETICS OF THE STEREOSPECIFIC POLYMERIZATION OF PROPYLENE TO ISOTACTIC POLYMERS. [1961] [16]p. 34 refs. /2-pp.
Order from SLA $1.60 61-20651

Trans. of Angew[andte] Chem[ie] (West Germany) 1957, v. 69, no. 7, p. 213-219.
Another trans. is available from SLA mi$2.40, ph$3.30 as 59-15929 [1959] 15p.

DESCRIPTORS: *Propenes, Polymerization, *Polymers, Stereochemistry, Titanium compounds, Chlorides, Aluminum, Ethyl radicals, Catalysts, Catalysis.

For abstract see Technical Translations 2: 482, 1959.

(Chemistry--Organic, TT, v. 6, no. 12)

61-20651

I. Natta, G.
II. Pasquon, I.
III. Giachetti, E.

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Properties, Constitution, and Analysis of Ternary Mixtures, Water-Methanol-Formaldehyde, by G. Natta, M. Baccaredda, 16 pp.

ITALIAN, per, Giorn Chem Ind Appl, Vol XV, No 6, 1933, pp 273-281.

Assoc Tech Serv 87H11

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Examination of Some Vinyl Polymers With Electron Rays, by G. Natta, R. Rigamonti, 12 pp.

ITALIAN, Per, Accad Lincei. Classe Sci Fis Mat Nat, 1936, Vol XXIV, pp 581-588.

SLA 59-10813

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Electronic Ray Examination of Certain Vinyl Polymers, by G. Natta, Rigamonti, 9 pp.

ITALIAN, per, Atti Accad Lincei, Classe Sci Fis Mat, Vol XXIV, 1936, pp 381-388.

NOT RELEASABLE TO FOREIGN NATIONALS

CIA/FDD XX-300

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Natta, G.
HIGH-MELTING LINEAR POLYETHYLENES AND PROCESS FOR THEIR PRODUCTION. Jan 64.
Order from RIS $35.00 RIS-96839
Polyolefins Set $750.00

Trans. of Belgian patent 553 277, by Montecatini, Milan, Dec 56. (Abstract available)

DESCRIPTORS: *Heat-resistant plastics, *Polyethylene plastics, *Ethylenes, Polymerization, Metalorganic compounds, *Ziegler catalysts, Solvents.

A process for polymerizing ethylene with a solid catalyst obtained by contacting a solid, microcrystalline halogenated compound of a group IVB, VB or VIB metal in which the valency of the metal is below the maximum with an organometallic compound of a metal of group II or III in the presence of a solvent for ethylene in which the microcrystalline compound is insoluble, in order to
(Materials--Plastics, TT, v. 11, no. 11) (over)

TT-64-12520

I. Natta, G.
II. Patent (Belgium) 553 276
III. RIS-96839
IV. Research Information Service, New York

280834

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Natta, G. and others.
IMPROVEMENTS IN THE POLYMERIZATION OF ETHYLENE. Jan 64.
Order from RIS $17.00 RIS-96908
Polyolefins Set $750.00

Trans. of Belgian patent 559 497, by Montecatini, Milan, Jul 57. (Abstract available)

DESCRIPTORS: *Polyethylene plastics, *Ethylenes, Polymerization, Metalorganic compounds, *Ziegler catalysts.

A catalyst prepared by contacting an alkoxide of a group IVB, VB or VIB metal with an organometallic compound of a group II or III metal in appropriate molar proportions is used to obtain products containing a large proportion of linear, highly crystalline high polymers. (RIS abstract)
(Materials--Plastics, TT, v. 11, no. 11)

TT-64-12826

I. Natta, G.
II. Patent (Belgium) 559 497
III. RIS-96908
IV. Research Information Service, New York

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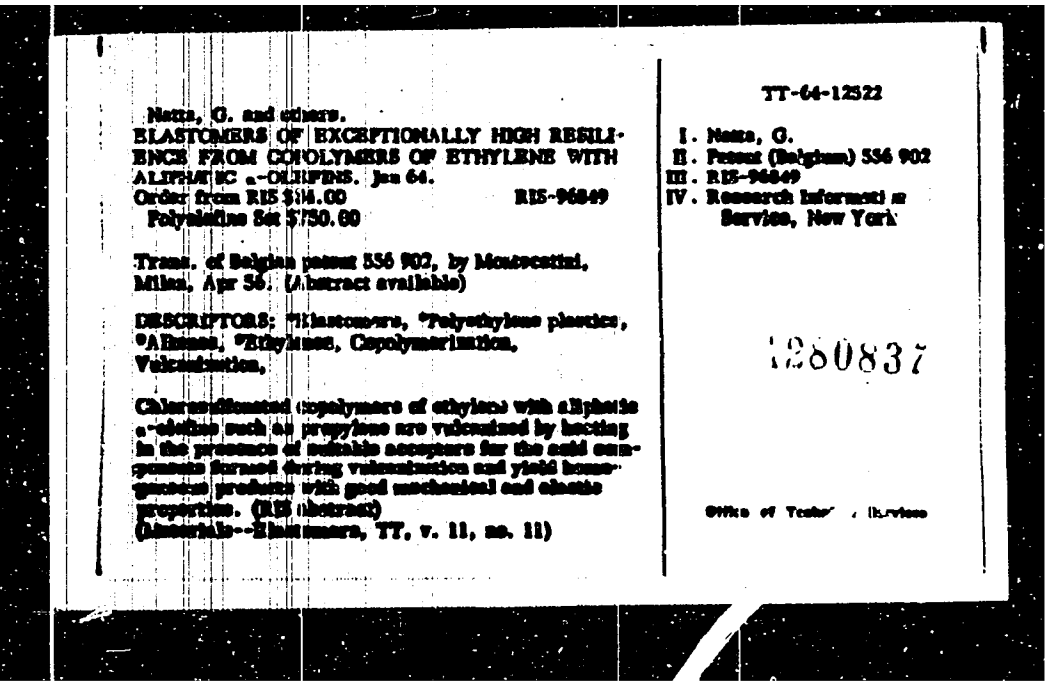
Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3



Natta, G. and others.
ELASTOMERS OF EXCEPTIONALLY HIGH RESILIENCE FROM COPOLYMERS OF ETHYLENE WITH ALIPHATIC α-OLEFINS. Jan 64.
Order from RIS $14.00 RIS-96849
Polyolefins Set $750.00

Trans. of Belgian patent 556 902, by Montecatini, Milan, Apr 56. (Abstract available)

DESCRIPTORS: *Elastomers, *Polyethylene plastics, *Alkenes, *Ethylenes, Copolymerization, Vulcanization.

Chlorosulfonated copolymers of ethylene with aliphatic α-olefins such as propylene are vulcanized by heating in the presence of suitable acceptors for the acid components formed during vulcanization and yield homogeneous products with good mechanical and elastic properties. (RIS abstract)
(Materials--Elastomers, TT, v. 11, no. 11)

TT-64-12522

I. Natta, G.
II. Patent (Belgium) 556 902
III. RIS-96849
IV. Research Information Service, New York

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Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

The Hydrogenation of Furfural and its Derivatives, by G. Natta.

ITALIAN, per. Chim e Ind, Vol XXIII, 1941, pp 117-123.

INSDOC T 1748

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Apr 59

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Comparison of Experimental Results and Thermodynamic Predictions on the Hydrogenation of Carbohydrates at Low Temperatures, by G. Natta, E. Beati, 14 pp.

ITALIAN, per, Ricerca Sci, Vol XXI, Jan 1953, pp 15-22.

S.L.A. Tr No 57-112

Sci - Chemistry
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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Natta, G. and Pino, P.
A COMPARISON OF THE SYNTHESIS OF ESTERS FROM ACETYLENE AND ETHYLENE BY REACTION WITH CARBON MONOXIDE AND ALCOHOLS. Paper presented at the Congress of Industrial Chemistry (no. 23) Paris, Nov 5[illegible], [1962] [12]p. 8 refs.
Order from SLA $1.60 62-20049

Trans. of [la] Chimica e [l]Industrial (Italy) 1952, v. 34, p. 449-453.

DESCRIPTORS: *Esters, Synthesis (Chemistry), *Acetylenes, Alcohols, Methanol, Carbon compounds, Monoxides, Ethylenes, *Acrylic acid esters, *Fatty acid esters, Ketones

In continuation of their studies of the reaction between acetylene, carbon monoxide, and alcohols the authors compare the synthesis of esters and diesters from acetylene with the analogous synthesis of esters from
(Chemistry--Organic, TT, v. 9, no. 12) (over)

62-20049

I. Natta, G.
II. Pino, P.
III. Title: Congress...

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Quantitative Determination of the Crystallinity of Polypropylene, by G. Natta, Corradini, M. Cesari, 13 pp.

ITALIAN, per, Atti Accad Naz Lincei Rend Classe Sci Mat e Nat, Vol XXII, No 8, pp 11-17, 1957.

SLA 3453
Assoc Tech Serv 80/181
SLA 59-1506

Sci - Chem
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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Kinetics of Propylene Polymerization With Highly Stereospecific Heterogeneous Catalysts. Part 1. Overall Kinetics of Polymerization Process, by G. Natta, I. Pasquon, E. Giachetti, 20 pp.

ITALIAN, per, la Chimica e l'Industria, Vol XXXIX, No 12, 1957, pp 993-1001.

SLA 59-15512
OTS 61-10477

Sci - Chem
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Vol 2, No 4

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Kinetics of Propylene Polymerization with Highly Stereospecific Heterogeneous Catalysts. Part II. Nature of the Period of Increasing Polymerization Rate, by G. Natta, I. Pasquon, E. Giachetti, 21 pp.

ITALIAN, Per. la Chim e l'Industria, 1957, Vol XXXIX, No 12, pp 1002-1012.

SLA 59-15513
OTS 61-10416
99,893

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Vol 2, No 3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Natta, G., Mazzanti, G. and others.
COPOLYMERIZATION OF ETHYLENE WITH ALIPHATIC ALPHA-OLEFINS. I. PRELIMINARY STUDIES OF ETHYLENE-PROPYLENE COPOLYMERIZATION (Copolimerizzazione dell'etilene con le α-Olefine Alifatiche. Nota I. Studi Preliminari della Copolimerizzazione dell'etilene conil Propilene) [1960] [45]p. 21 refs.
Order from SLA ml$3.30, ph$7.80 61-10476

Trans. of La Chimica e l'Industria (Italy) 1957, v. 39, no. 9, p. 733-743.

Ethylene-Propylene copolymers are produced by polymerization of mixtures of the olefins with catalysts made from aluminum tri-n-hexyl and vanadium oxychloride. The products are true copolymers with rubbery properties characteristic of an unvulcanized elastomer. Polymers are separated by a complicated fractionation scheme involving acetone, ether, hexane and heptane. Composition of the copolymer is deter-
(Chemistry--Organic, TT, v. 5, no. 6) (over)

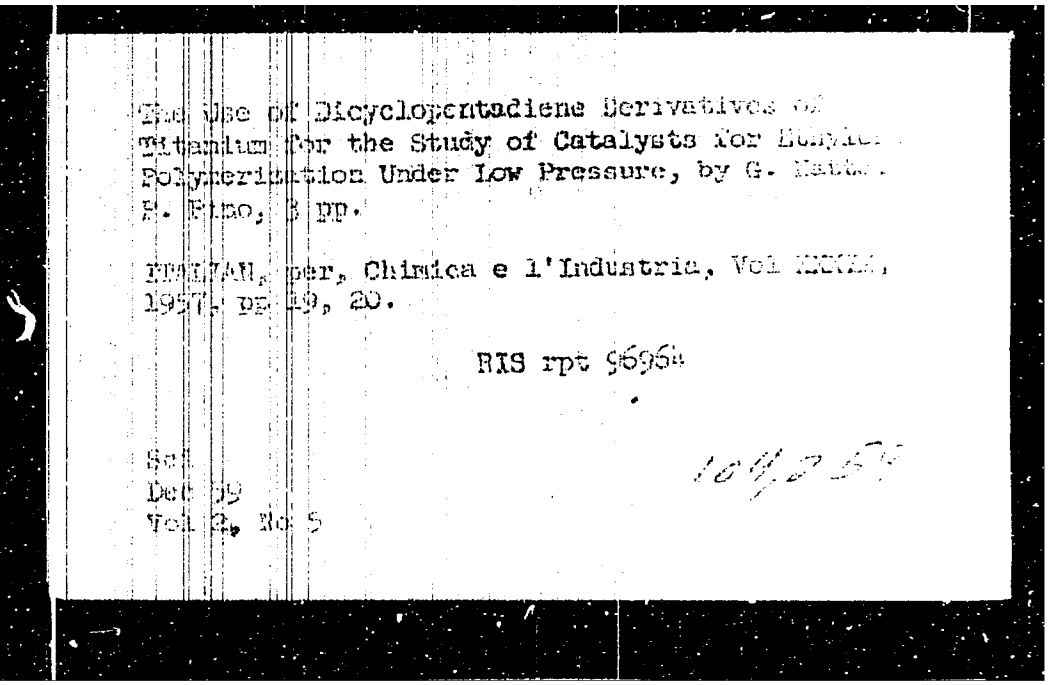
61-10476

1. Copolymerization--Analysis
2. Ethylenes--Polymerization
I. Natta, G.
II. Mazzanti, G.
III. Title: Preliminary...

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3



The Use of Dicyclopentadiene Derivatives of Titanium for the Study of Catalysts for Olefin Polymerization Under Low Pressure, by G. Natta, P. Pino, 3 pp.

RENDICONTI, per, Chimica e l'Industria, Vol XXXIX, 1957, pp 19, 20.

RIS rpt 96964

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Stereospecific Catalysts and Stereospecific Polymers Synthesis o: New Fibers, Plastics, and Elastomers, by G. Natta, 29 pp.

ITALIAN, lecture, Meeting o: Sixteenth International Congress o: Pure and Applied Chemistry, 1957, Paris.

CIA/FDD XX-503

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IAC INTERNAL USE ONLY 93, 941

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

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Isotactic and Stereoblock Polymers of Proplene, by
G. Natta, G. Mazzanti, G. Crespi, G. Moraglio, 28 pp.

ITALIAN, per, Chimica e Industria, Vol XXXIX, No 4,
pp 275-283, 1957.

SIA 3447

Sci - Chem
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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Kinetics of Chain Growth and Termination Processes in Stereospecific Polymerization of Polypropylene, by G. Natta, I. Pasquon, E. Giachetti, 19 pp.

GERMAN, per, Makromol Chem, Vol XXIV, No 3, Oct 1957, pp 258-290

SLA 57-3574

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Natta, G., Crespi, G. and others.
NEW TERPOLYMERS BASED ON ETHYLENE AND PROPYLENE. [1963] 15p. 7 refs.
Order from CTS(Chem) $13.20 CTS(Chem)-341
subsequent copies $2.20/ea.

Trans. of [la] Chimica e [l']Industria (Italy) 1963, v. 45, no. 6, p. 651-656.

DESCRIPTORS: *Elastomers, *Polyethylene plastics, *Ethylenes, *Propenes, *Dienes, Copolymerization, Ziegler catalysts, Physical properties, *Vulcanization, Fillers, Oils, Aging.

(Materials--Elastomers, TT, v. 10, no. 9)

63-17992

I. Title: 1,5-Cyclo-octadiene
I. Natta, G.
II. Crespi, G.
III. CTS(Chem)-341
IV. Chemical Translating Service, Palo Alto, Calif.

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Natta, G., Ercoli, R., and Calderazzo, F.
SYNTHESIS OF AROMATIC-CHROMIUM-TRICARBONYL COMPOUNDS [Sintesi di Arene-Cromo-Tricarbonili]. [1961] 9p. 5 refs.
Order from SLA mi$1.80, pb$1.80 61-10700
SLA TT-65-14053 SLA TT-64-30993
Trans. of La Chimica e l'Industria (Italy) [1958]
v. 40, no. 4, p. 287-289.

The method for the synthesis is based on the reaction between aromatic compounds and chromium hexacarbonyl according to the equation

$$Ar + Cr(CO)_6 \longrightarrow ArCr(CO)_3 + 3CO.$$

In this manner aromatic-chromium-tricarbonyl compounds were prepared containing benzene, toluene, o-, m-, p-xylene, symmetrical trimethylbenzene, tetrahydronaphthalene, chlorobenzene, anisole, benzyl alcohol and methylbenzoate. The compounds, which contain aromatic nuclei linked to the chromium with π bonds, are crystalline yellow solids, sublimable at 60° to 100°C under a vacuum of 10^{-2} mm Hg, and are monomeric by cryoscopy in benzene.

61-10700

1. Chromium carbonyls--Synthesis
I. Natta, G.
II. Ercoli, R.
III. Calderazzo, F.

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(Chemistry--Orga...
TT, v. 5, no. 10)

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

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Kinetics of the Polymerization of Propylene by Means of Heterogeneous Catalysts With High Stereo-Specificity. VI. Kinetic Determination of Active Centers, by G. Natta, et al.

ITALIAN, per: Chem e ind, Vol XL, No 7, 1958, pp 556-560.

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Stereospecific Polymerizations of Conjugated Dioletins, Note IV. Preparation of Syndiotactic 1, 2-Polybutadiene, by G. Natta, L. Porri, 18 p.

ITALIAN, per, Chimica e l'Industria 1959, Vol XLI, No 6, pp 526-533.

SLA TT-64-30656

SLA 60-10487

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Vol III, No 3

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

Elastic and Inelastic Behavior of Some Isotactic Polymers, by G. Natta.

ITALIAN, per, Chimie et Industrie, Vol XLI, No 8, 1959, pp 733-740.
SLA 77-65-10186

ATG 333-LJ
SLA 61-16732

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Aug 60

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200910021-3

The Copolymerization of Ethylene With the Aliphatic Alpha Olefins, Note VI. Copolymerization of Ethylene With Butene-1, by G. Natta, G. Mazzanti, et al, 34 pp.

NATTA

ITALIAN, per, la Chimica e l'Industria, Vol XLI, No 6, 1959, pp 764-775.

SLA 65-10182

SLA 60-10901

119,072

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Jan 60
Vol III, No 5

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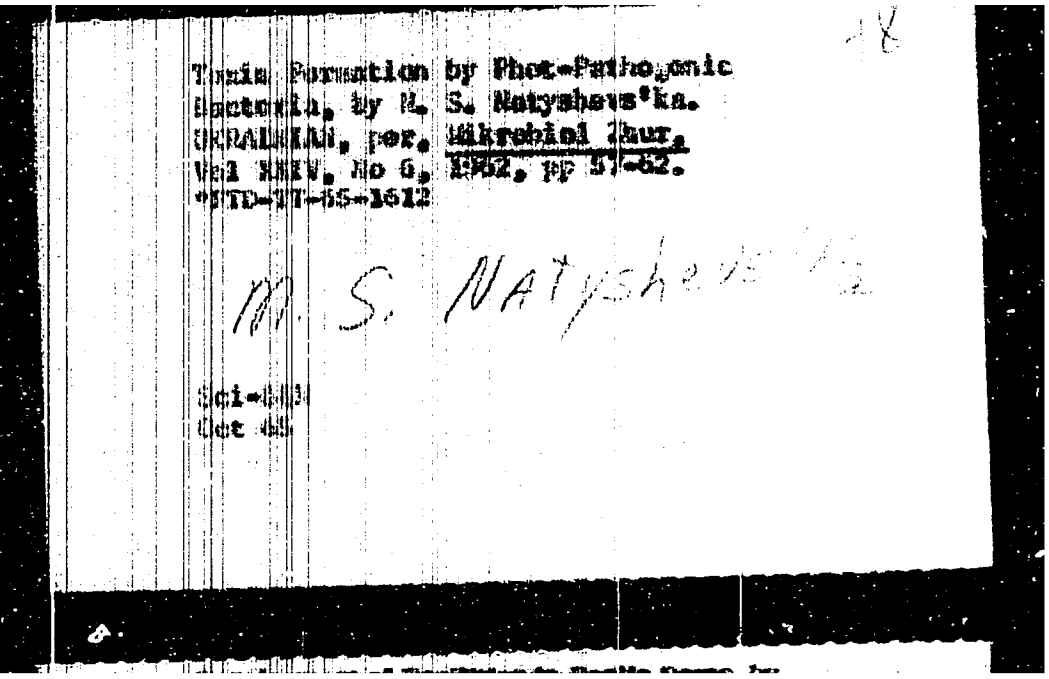

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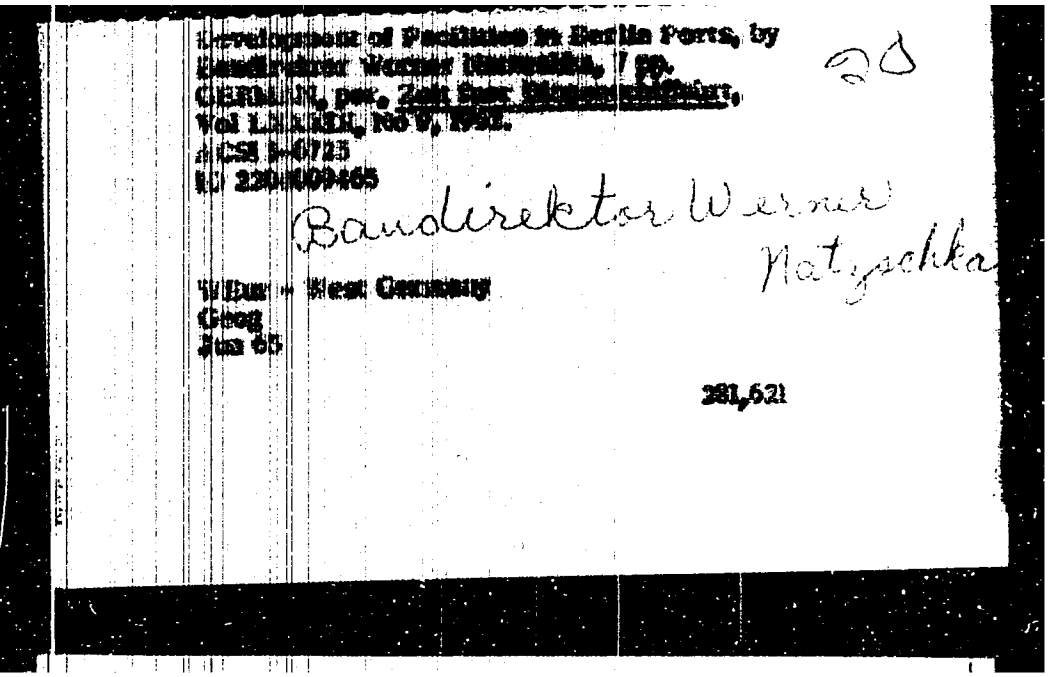

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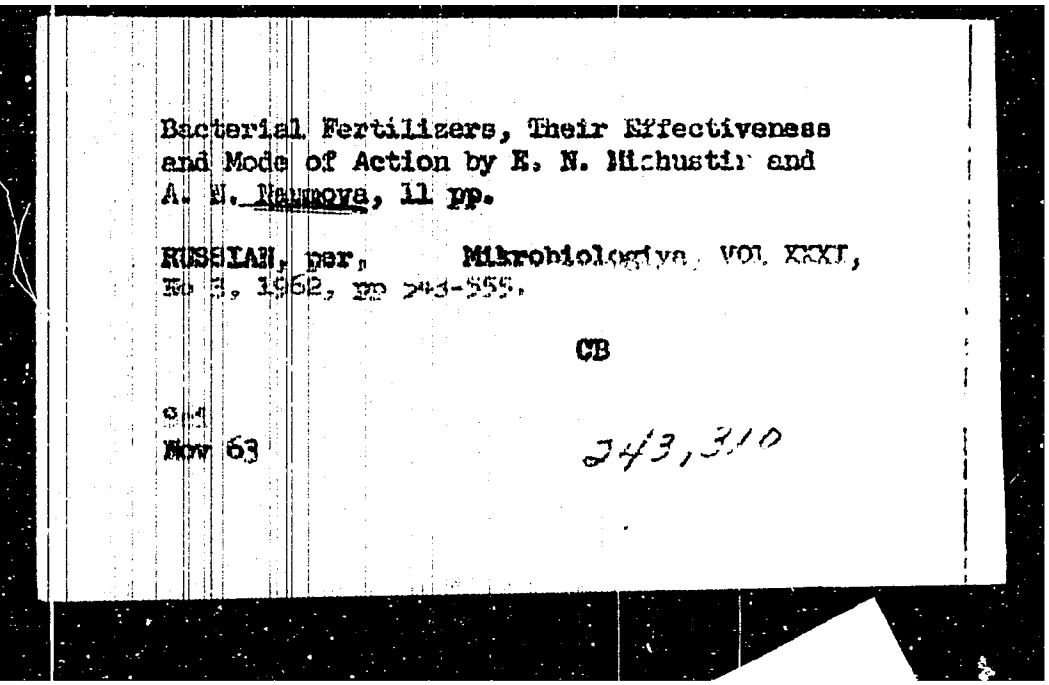

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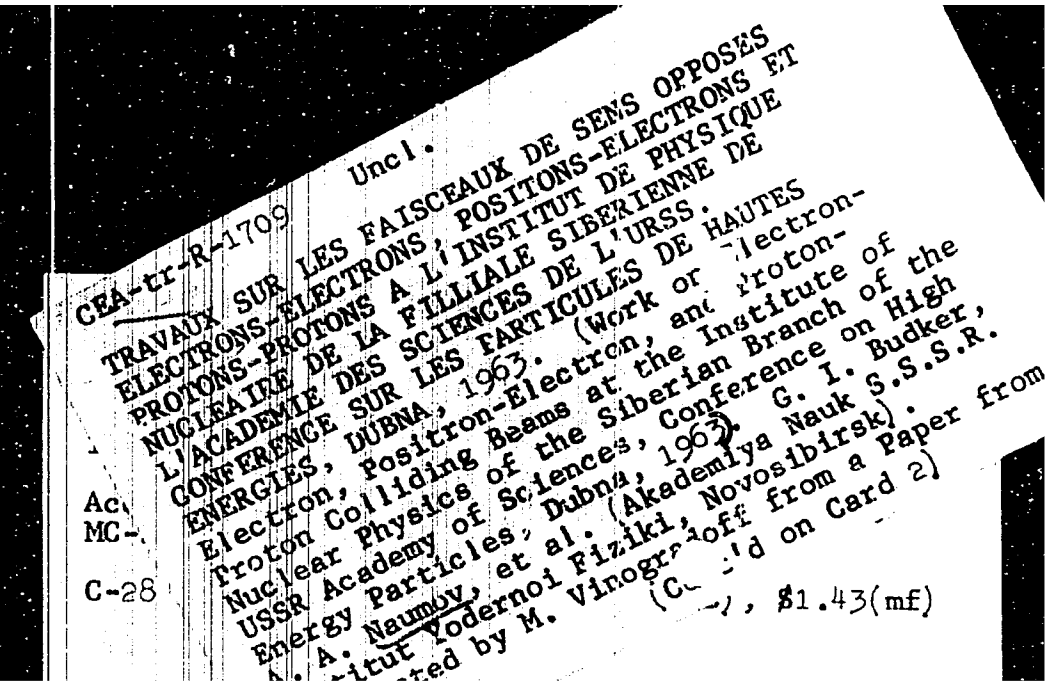

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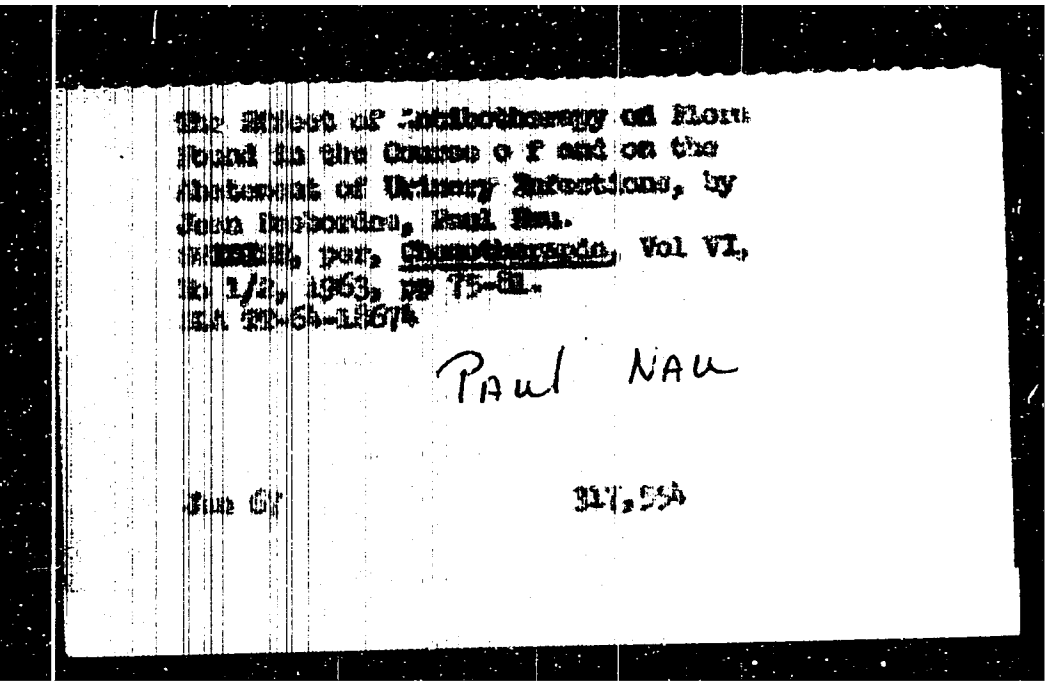

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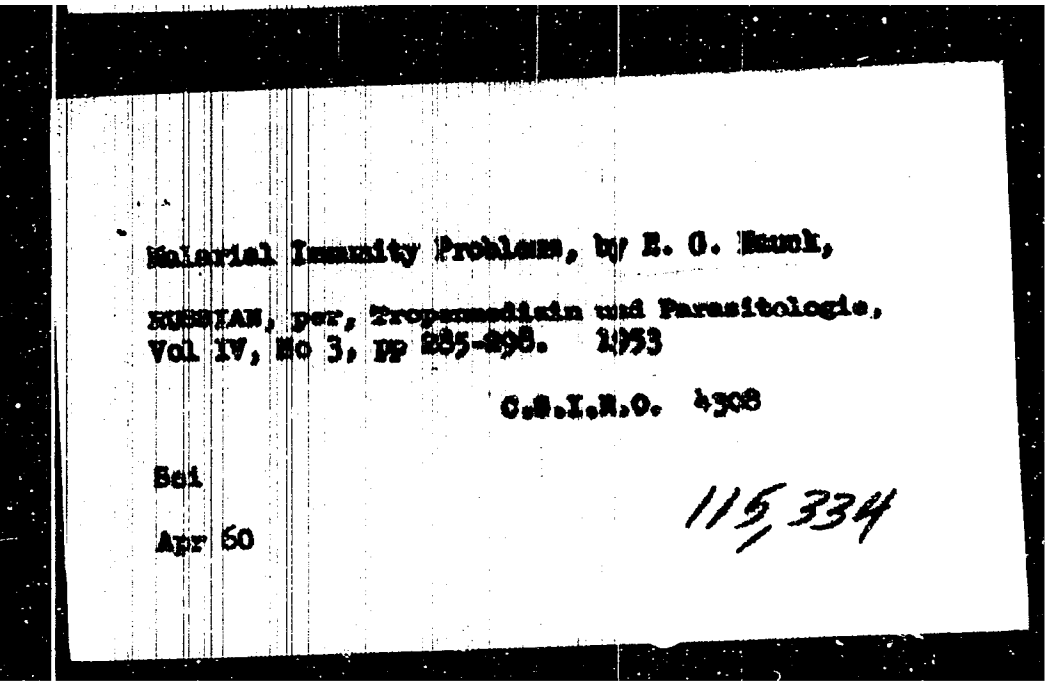

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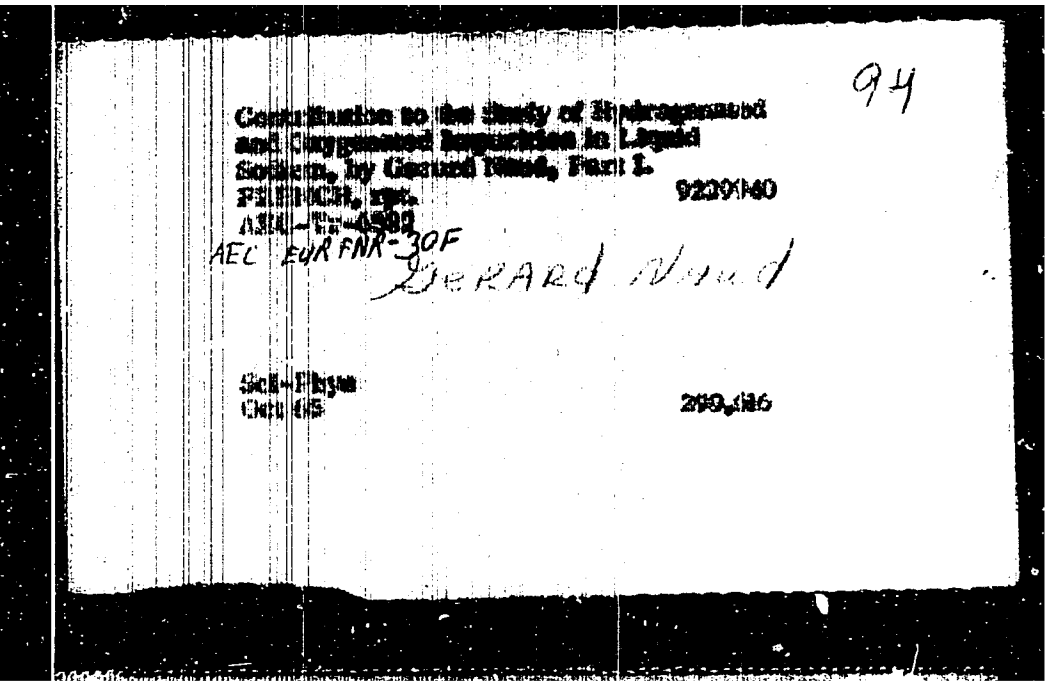

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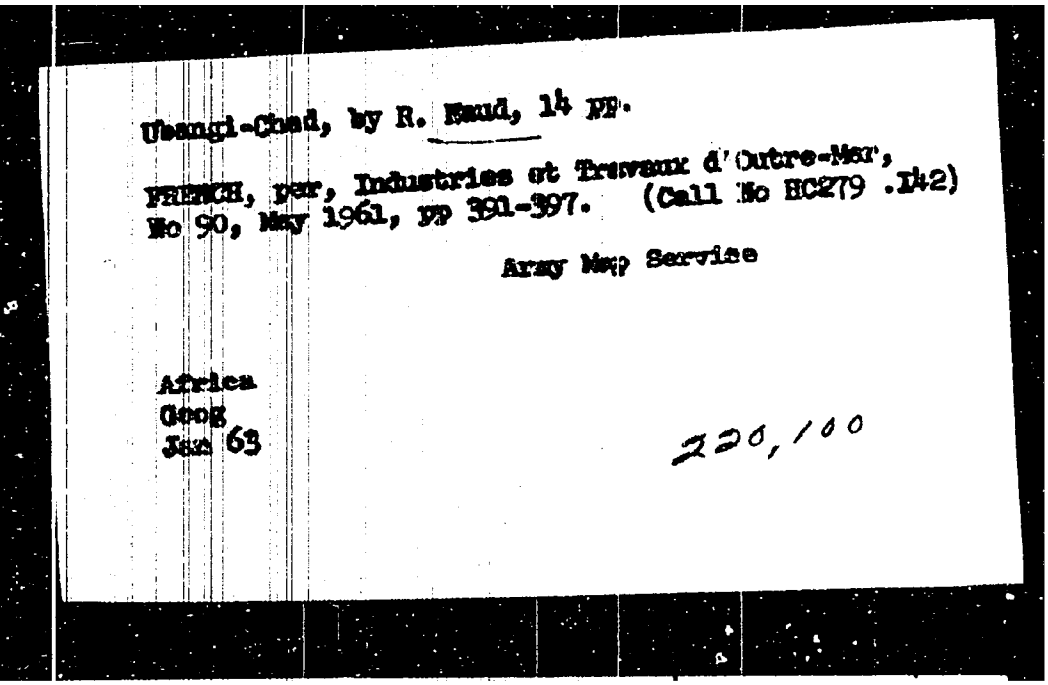

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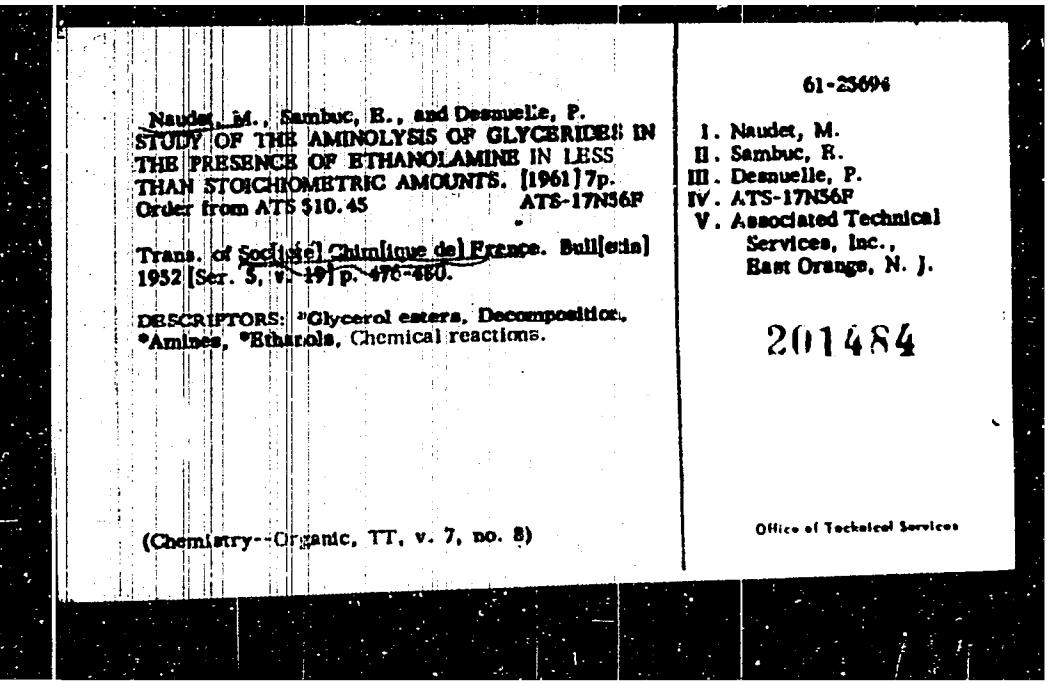

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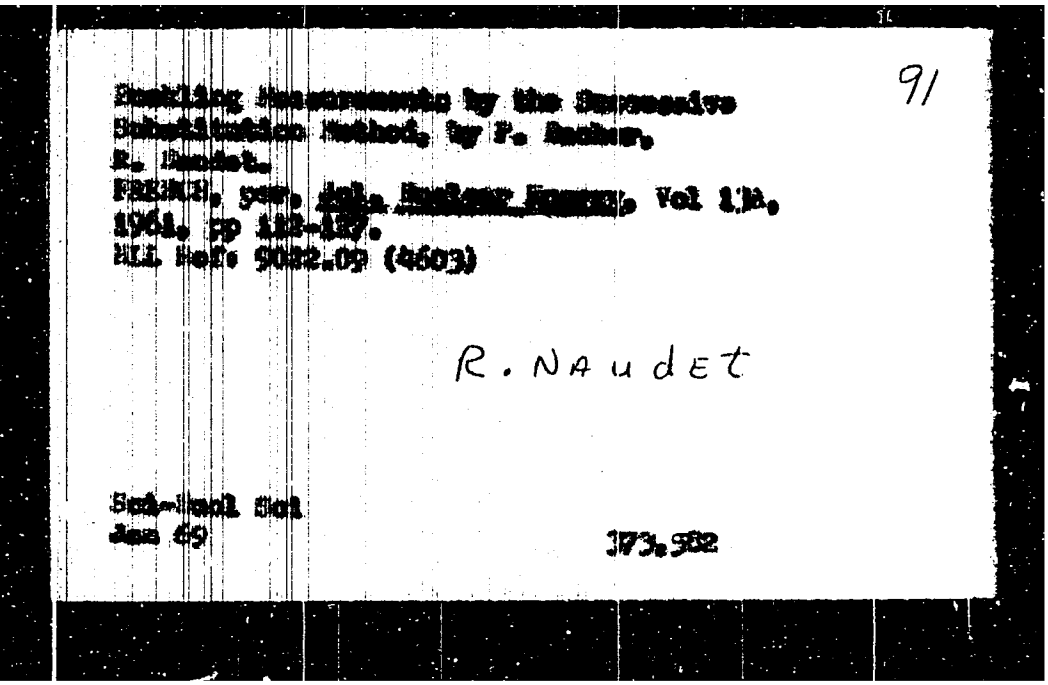

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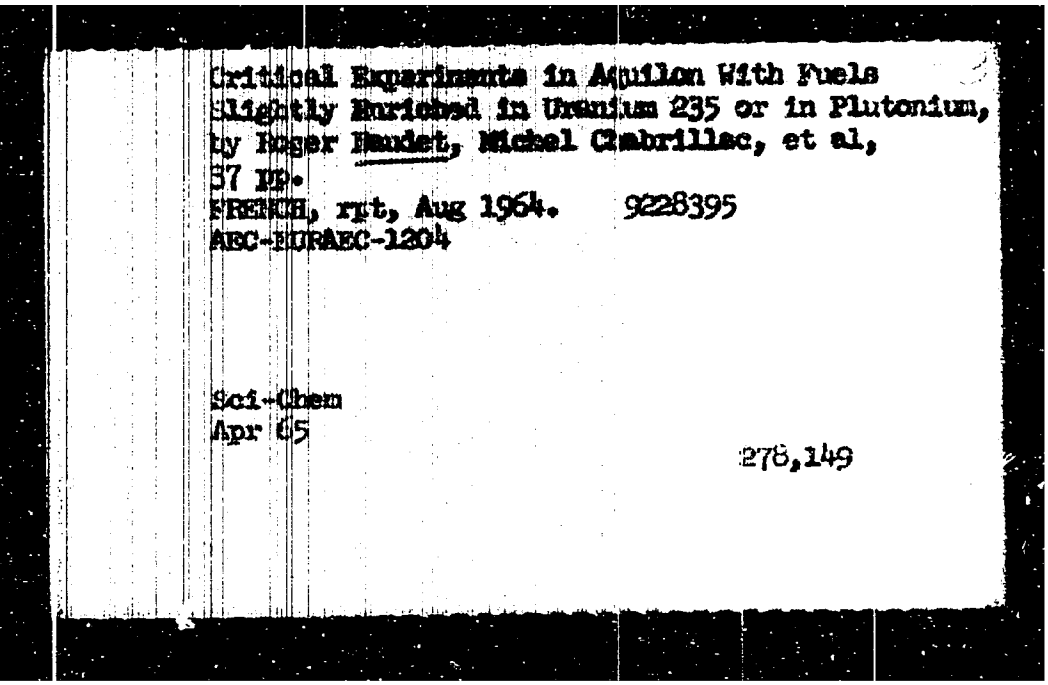

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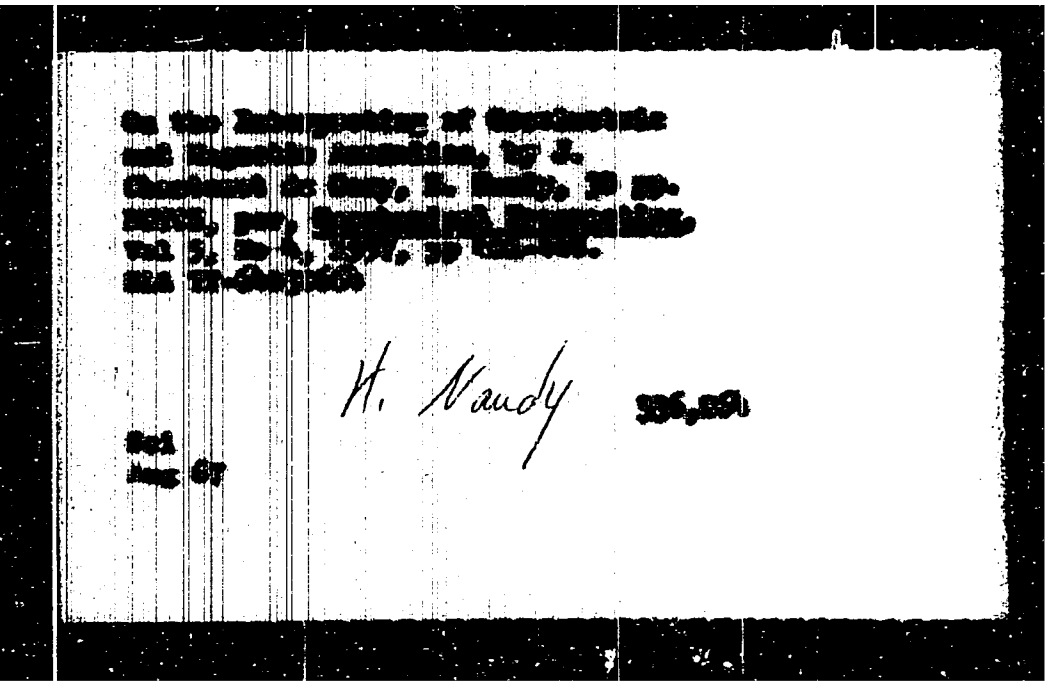

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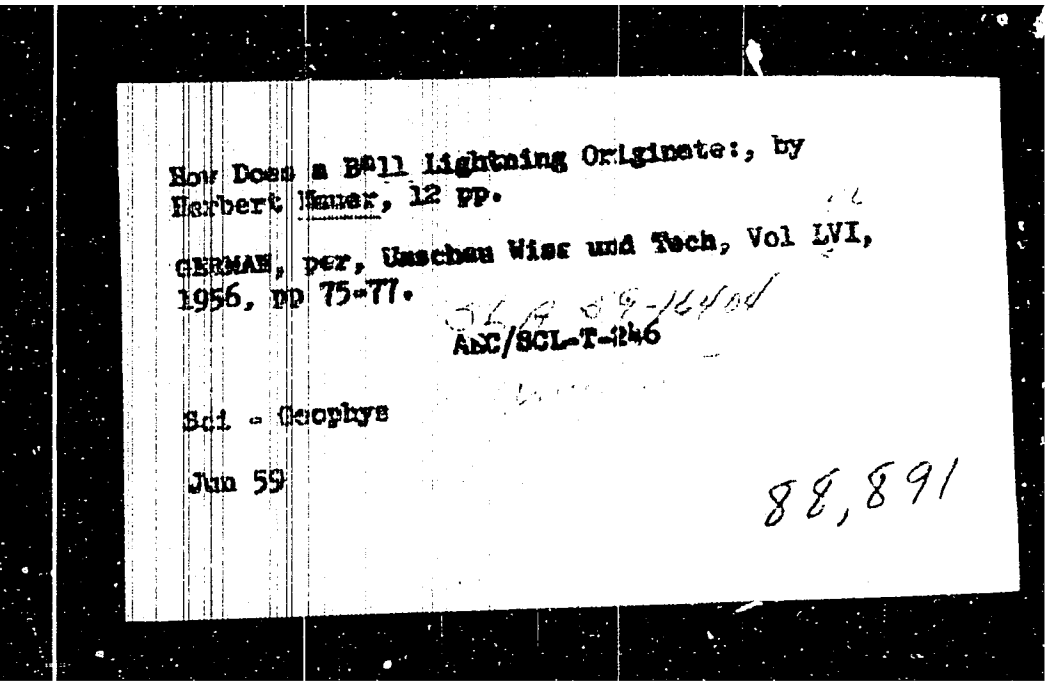

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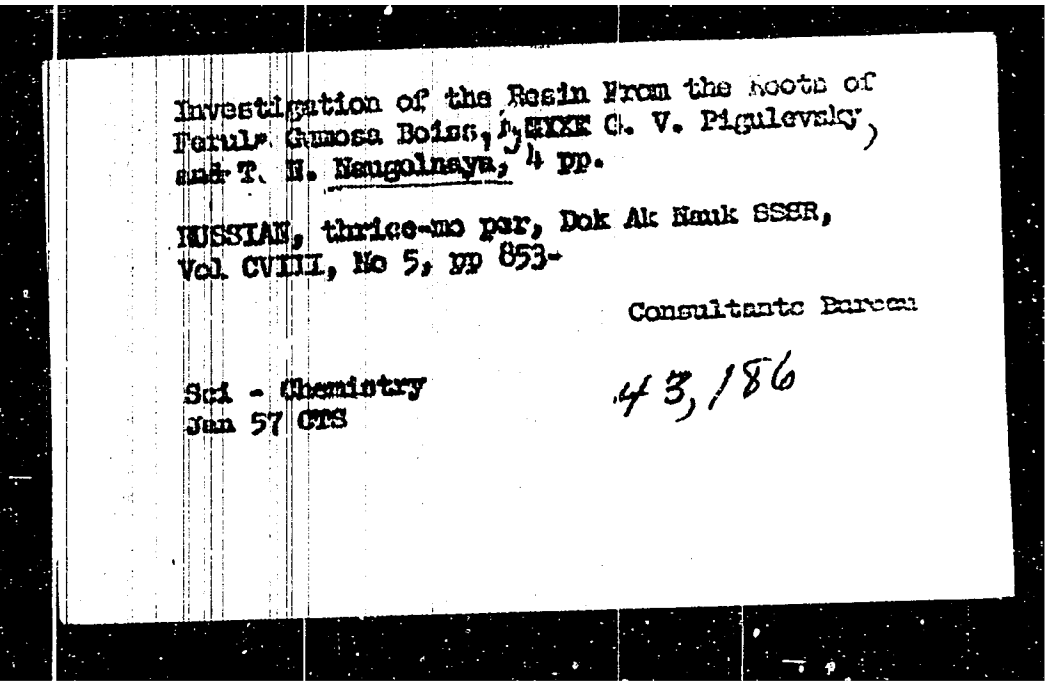

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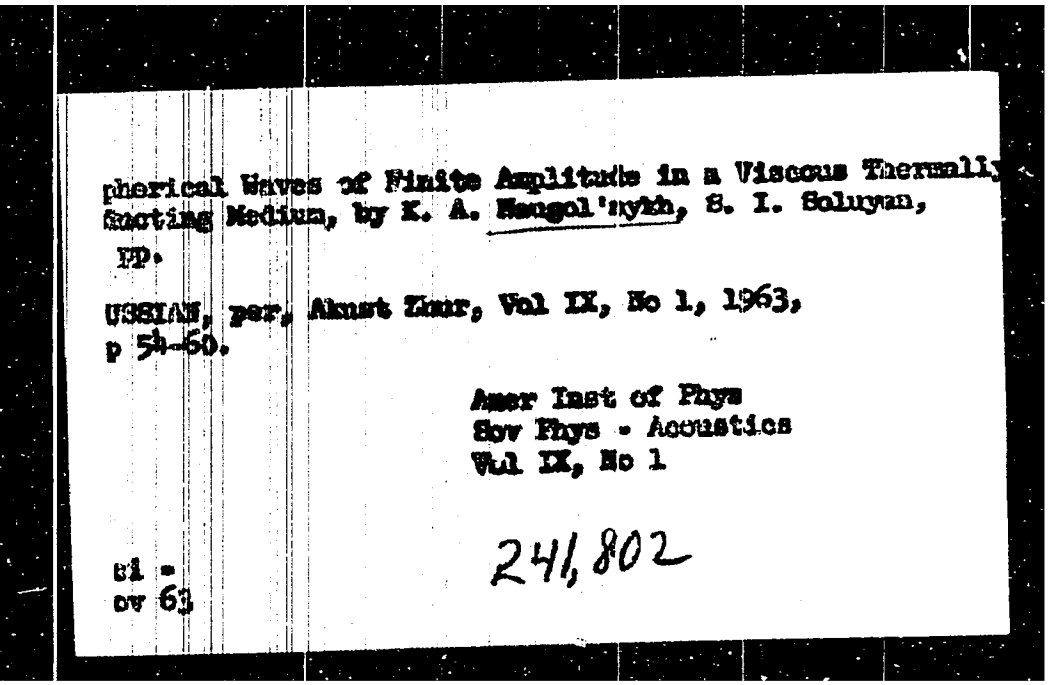

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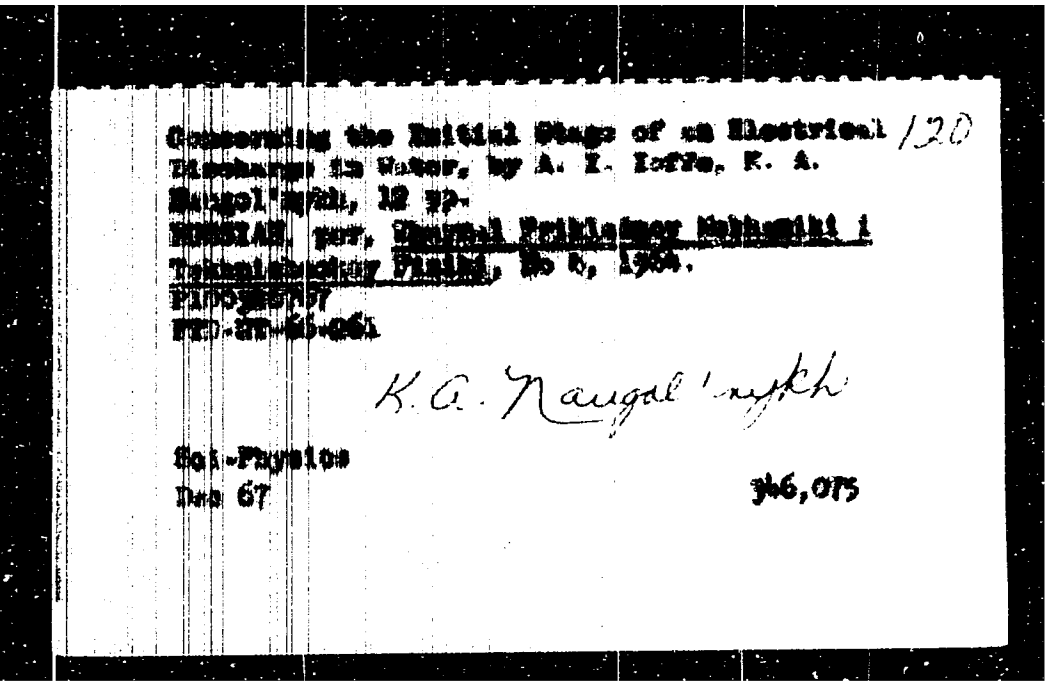

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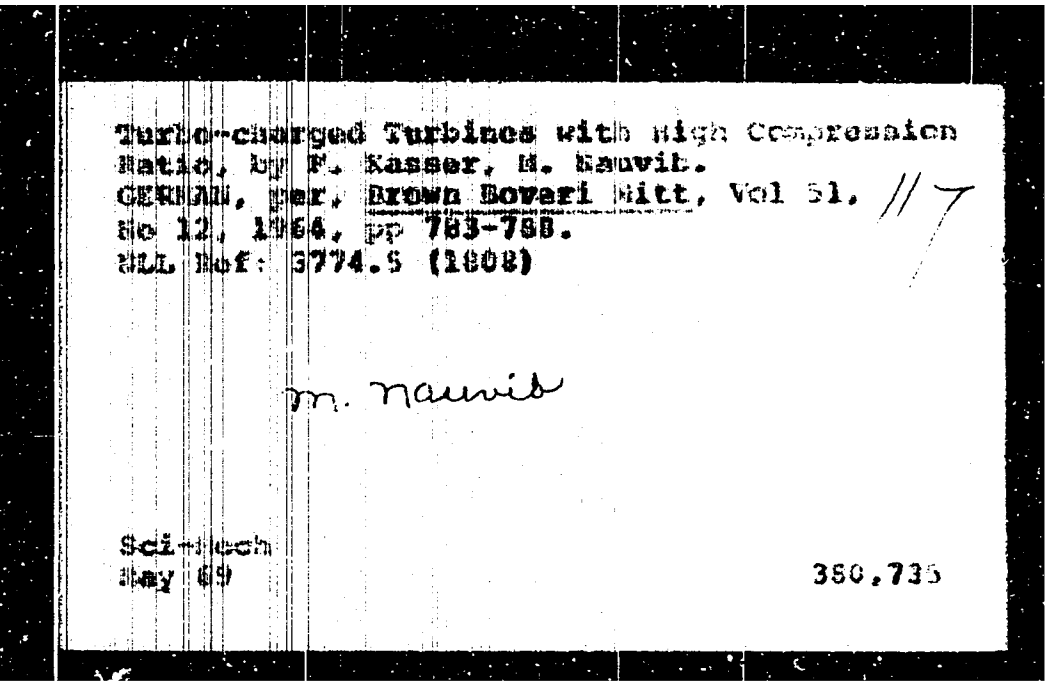

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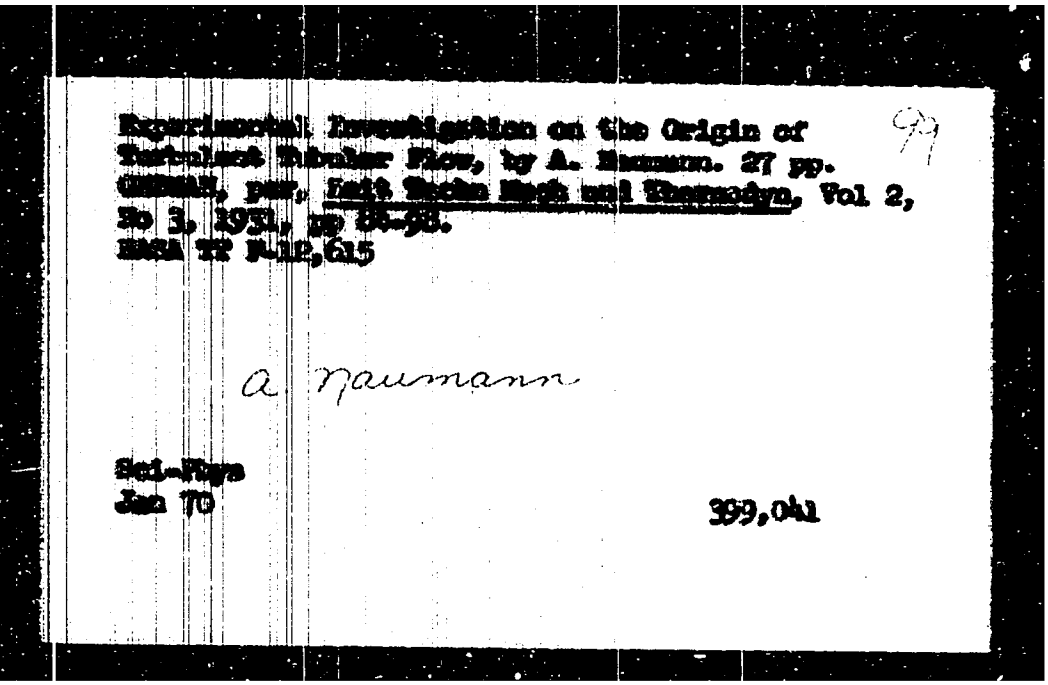

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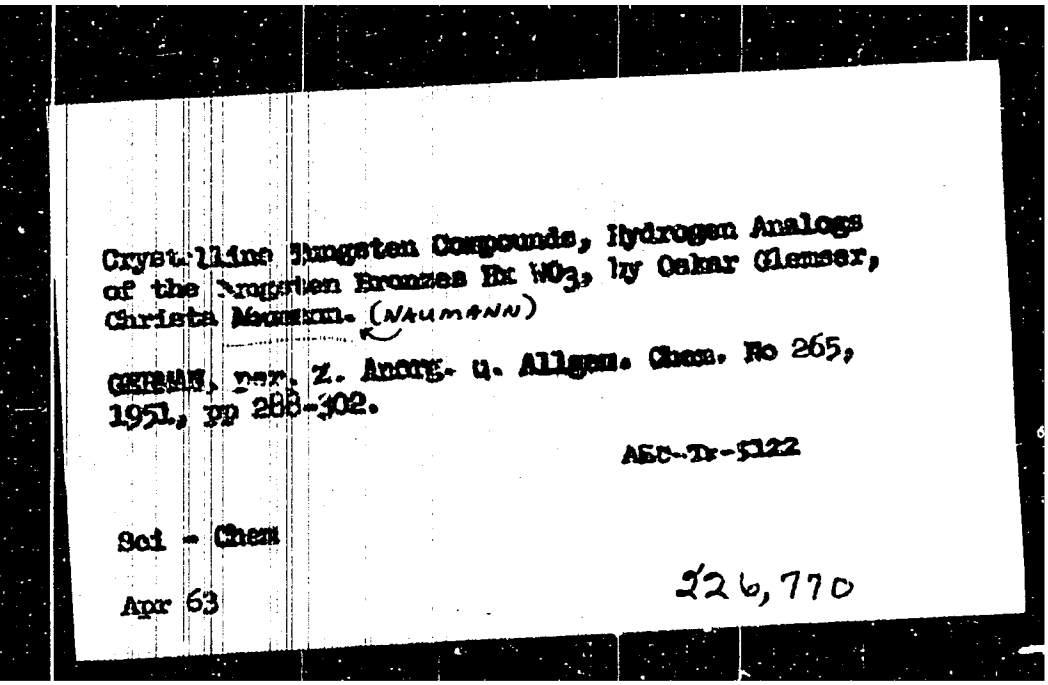

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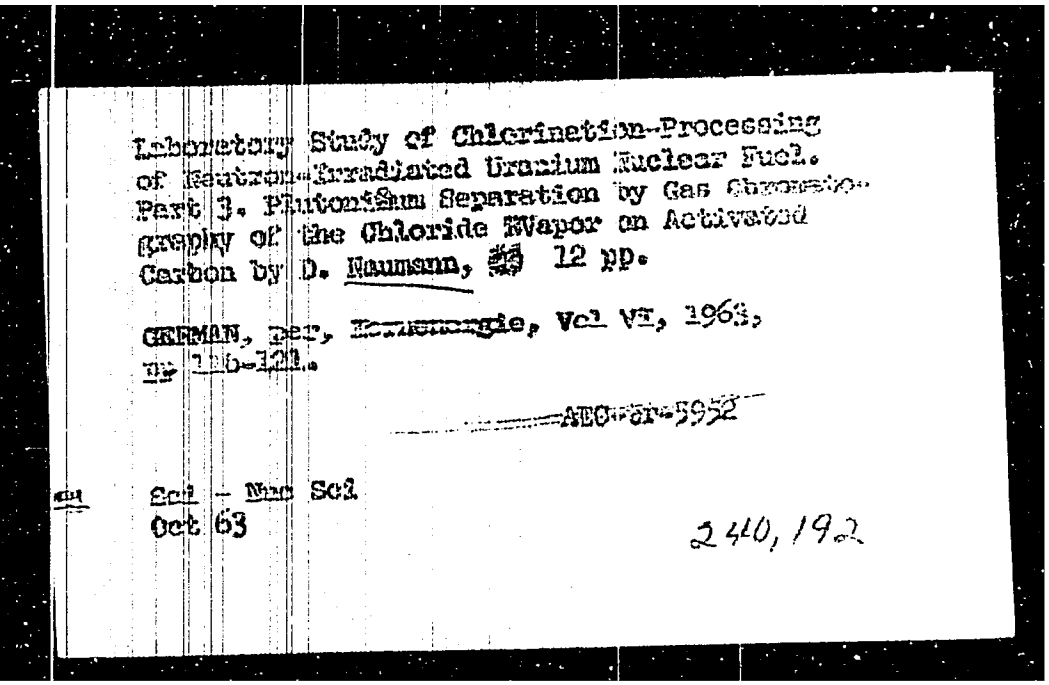

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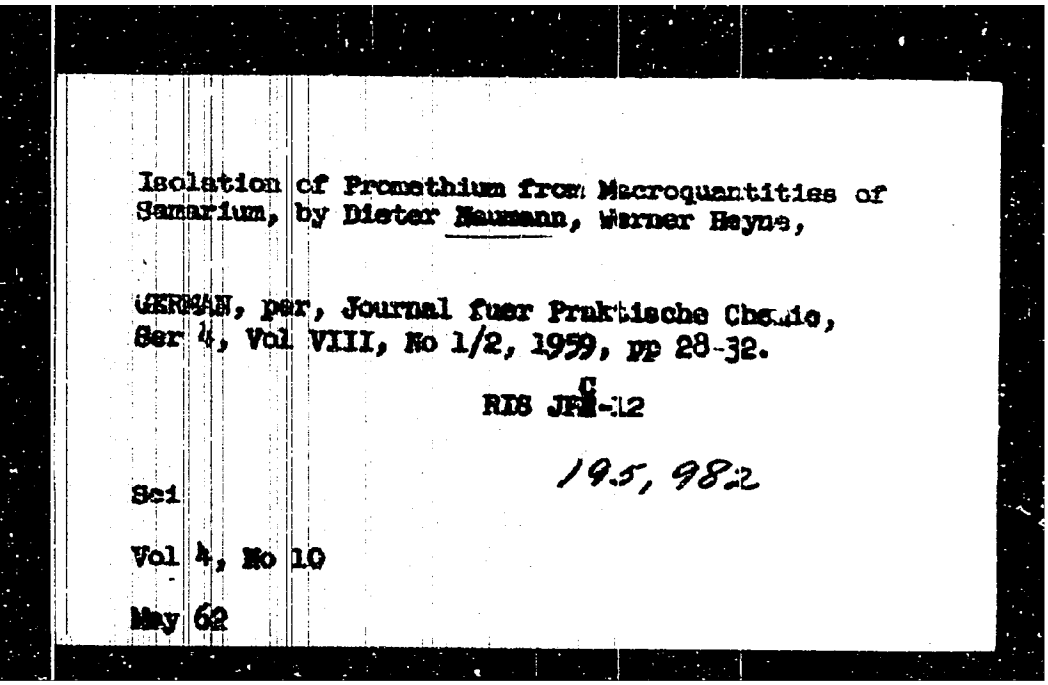

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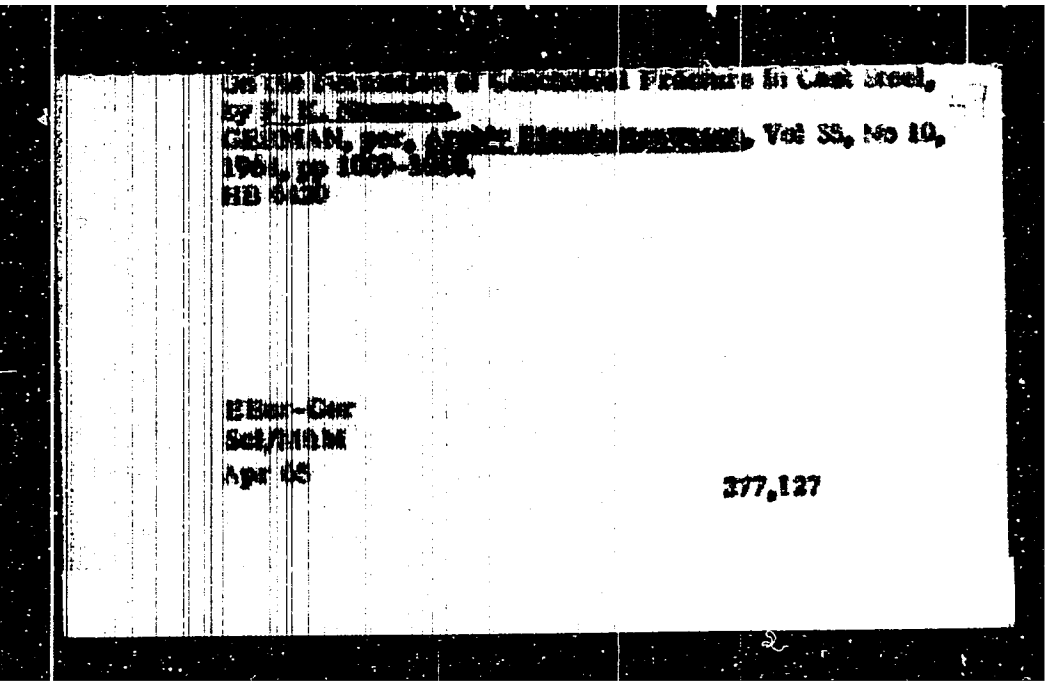

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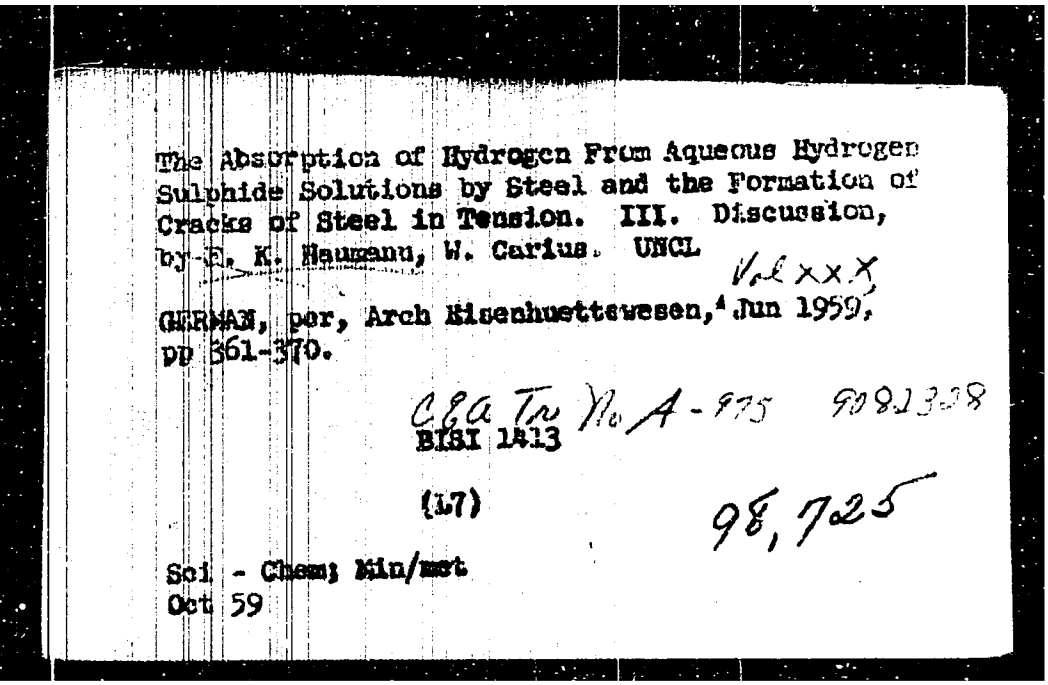

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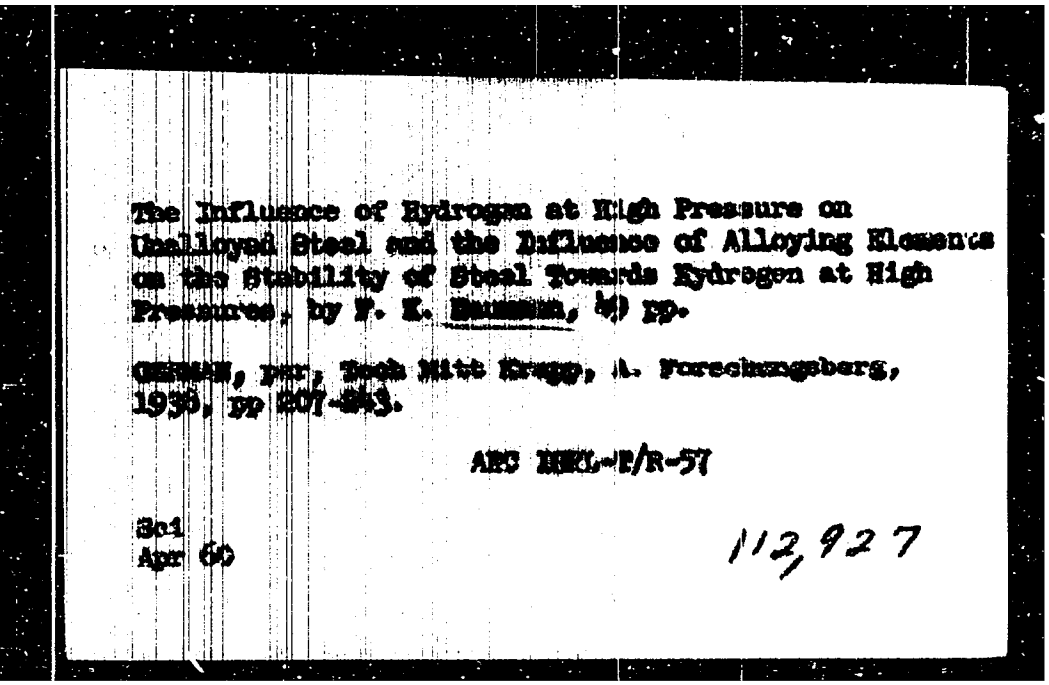

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